PURE POWER TOOLS

18V Li-Ion Jigsaw

(PUREJIGSAW18V)

Original Instructions

Read instructions before operating this tool.

PURE 18V Jigsaw

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EC - DECLARATION OF CONFORMITY

We, the importer

Evolution Power Tools Ltd.
Venture One
Longacre Close
Sheffield
S20 3FR

Declare that the product

Part numbers: PUREJIGSAW18
Evolution: PURE 18v Li-ion Battery Jigsaw

Complies with the essential requirements of the following European Directives:
2006/42/EC – Machine Directive
2006/95/EC – Low Voltage Directive
2004/108/EC – EMC Directive
2002/95/EC – Restriction of the use of Certain Hazardous Substances in Electrical and Electric Equipment

Standards and Technical specifications referred to:-
EN 55014-1/A1:2009
EN 55014-2/A2:2008
EN 60745-1/A11:2010
EN 60745-2-11:2010

All documentation is held on file at the above address and is available, on request for review.

Authorized Signatory
Date: 20/12/11

Name: Mr Matthew J Gavins
Position: Managing Director

IMPORTANT

Please read these operating and safety instructions carefully and completely. For your own safety, before using this equipment check that the voltage is correct and that all handles and parts are firmly secured. If you are uncertain about any aspect of using this equipment, please contact our Technical Helpline.

UK **0870 609 2297**

Congratulations on your purchase of an Evolution Power Tools Pure 18V Battery Jigsaw. Please complete your product registration on line to validate your machine's warranty period and ensure prompt service if needed. We sincerely thank you for selecting a product from Evolution Power Tools.

12 MONTH LIMITED WARRANTY. Evolution power tools reserves the right to make improvements and modifications to design without prior notice.

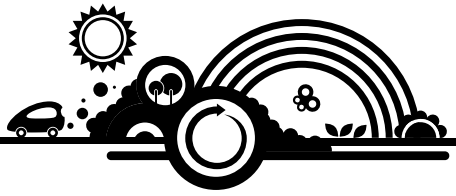
Evolution Power Tools will, within twelve (12) months from the original date of purchase, repair or replace any goods found to be defective in materials or workmanship. This warranty is void if the tool being returned has been used beyond the recommendations in the Instruction Manual or if the machine has been damaged by accident, neglect, or improper service. This warranty does not apply to machines and / or components which have been altered, changed, or modified in any way, or subjected to use beyond recommended capacities and specifications. Electrical components are subject to respective manufacturers' warranties. All goods returned defective shall be returned prepaid freight to Evolution Power Tools. Evolution Power Tools reserves the right to optionally repair or replace it with the same or equivalent item. There is no warranty – written or verbal – for jigsaw blades. In no event shall Evolution Power Tools be liable for loss or damage resulting directly or indirectly from the use of our merchandise or from any other cause. Evolution Power Tools is not liable for any costs incurred on such goods or consequential damages. No officer, employee or agent of Evolution Power Tools is authorized to make oral representations of fitness or to waive any of the foregoing terms of sale and none shall be binding on Evolution Power Tools. Questions relating to this limited warranty should be directed to the company's head office, or call the appropriate Helpline number.

GENERAL SAFETY RULES

WARNING: When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

Please read all of these instructions before attempting to operate this machine. Save this manual for future reference.

1. Keep work area clear. Cluttered work areas invite accidents.
2. Consider work area environment. Do not expose tools to rain. Do not use tools in damp or wet locations. Keep work area well lit. Do not use tools in the presence of flammable liquids or gases.
3. Guard against electric shock. Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
4. Keep other people away. Do not let others, especially children, come close to the work, and touch the tool or the extension lead. Keep them away from the work area.



5. Store idle tools. When not in use, tools should be stored in a dry locked-up place, out of reach of children.
6. Do not force the tool. It will do the job better and safer at the rate for which it was intended
7. Use the right tool. Do not force small tools to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example do not use circular saws to cut tree limbs or logs.
8. Dress properly. Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
9. Use protective equipment. Use safety glasses. Use face or dust mask if working operations create dust.
10. Connect dust extraction equipment. If the tool is provided for the connection of dust extraction and collection equipment, ensure these are connected and properly used.
11. Do not abuse the cord. Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
12. Secure work. Where possible, use clamps or a vice to hold the work. It's much safer than using your hand.
13. Don't over reach. Keep proper footing and balance at all times.
14. Maintain tools with care. Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have them repaired by an authorised service facility. Inspect extension cord periodically and replace immediately if damaged. Keep handles dry, clean and free from oil and grease.
15. Disconnect tools. When not in use, before any servicing and when changing accessories such as blades, bits, cutters, disconnect tool from the power source
16. Remove adjusting keys and spanners. Form the habit of checking to see the keys and adjusting spanners are removed from the tool before turning it on.
17. Avoid unintentional starting. Ensure switch is in "off" position when plugging in.
18. Use outdoor extension leads. When the tool is used outdoors, use only extension cords intended for outdoor use and so marked.
19. Stay alert. Watch what you are doing, use common sense and do not operate the tool when you are tired.
20. Check damaged parts. Before further use of tool, it should be carefully checked to determine that it will operate properly and perform the intended function. Check for alignment of moving parts, mountings and any other components that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorised service centre. Do not use the tool if the switch does not turn it on and off.
21. WARNING. The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
22. Have your tool repaired by a qualified person. This electric tool complies with relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts. Otherwise this may result in considerable danger to the user.

HEALTH ADVICE

WARNING: When drilling, sanding, sawing or grinding, dust particles will be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint).You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure.

You should:

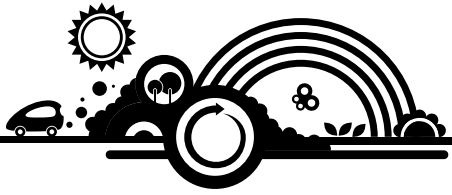
- Work in a well-ventilated area.
- Work with approved safety equipment, such as dust masks that are specially designed to filter microscopic particles.

ADDITIONAL SAFETY RULES FOR YOUR EVOLUTION JIGSAW

1. Do not expose to rain or water.
2. Do not drop, shake or strike the battery.
3. Wear hearing protection when necessary. Exposure to noise can cause hearing loss.
4. Cutting/scraping blades and accessories can become very hot. Take care when changing or handling any bits or accessories.
3. Recharge the battery only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
4. Use this power tool only with specially designated battery packs. Use of any other battery packs may create a risk of injury and fire.
5. When the battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
6. Under extreme conditions electrolyte may be leak from the battery. If contact accidentally occurs, flush your skin with water. If electrolyte contacts your eyes, additionally seek medical help. Electrolyte from the battery may cause irritation or burns.
7. Hold the tool by the insulated gripping surfaces, especially when performing an operation where the blade may contact hidden wiring. If the blade contacts a 'live' wire, exposed metal parts of the power tool could become 'live' and give the operator an electric shock.
8. If possible, use clamps or a vice to hold your work.
9. When cutting into walls, floors or similar areas, make sure, as far as possible, that there are no services (gas or water pipes, electric cables etc) in the path of the blade. Striking hidden services could cause injury to the user and damage to the property.
10. Always disconnect the jigsaw battery before changing the blade. Never use damaged or distorted blades.
11. Always allow the saw to come to a complete halt before putting it down. A running tool may bounce uncontrollably if the blade tip contacts any surface.
12. Always consider the work environment and wear the appropriate personal protection equipment. This could include dust masks, eye protection, safety footwear etc.

WARNING: This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the safe use of the machine by a person responsible for their safety.

Children should be supervised to ensure that they do not have access to, and are not allowed to play with, this machine.



LABELS & SYMBOLS

WARNING: Do not operate machine if warning and/or instruction labels are missing or damaged. Contact Evolution Power Tools for replacement labels.

Symbol	Description
V	Volts
A	Amperes
Hz	Hertz
Min^{-1}	Speed
~	Alternating Current
n_O	No Load Speed
⧈	Double Insulated
	Wear Safety Goggles
	Wear Ear Protection

JIGSAW OVERVIEW

1. KEYLESS COLLET CHUCK
2. BLADE GUARD
3. SWITCH SAFETY LOCK SLIDE BUTTON
4. SOFT GRIP HANDLE
5. ON/OFF TRIGGER SWITCH
6. GUIDE ROLLER
7. INSERTED BATTERY PACK
8. BATTERY PACK LOCKING TAB
9. FOOTPLATE
10. LASER GUIDE ON/OFF SWITCH
11. ORBITAL ACTION CONTROL SELECTOR
12. FOOTPLATE ANGLE GUIDE

SPECIFICATION

EVOLUTION PURE BATTERY JIGSAW

Voltage:	18.0V-DC
No Load Speed:	0-2400 strokes per minute
Stroke Length:	25.4mm
Blade Type:	T-shank

NOISE AND VIBRATION DATA

Sound Pressure:	87.3dB(A) K=3dB
Sound Power:	98.3dB(A) K=3dB
Vibration:	5.383m/s2 K 1.5 m/s2

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.

The declared vibration total value may also be used in a preliminary assessment of exposure.

WARNING: The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used. The need to identify safety measures and to protect the operator are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle, such as the times the tool is switched off, when it is running idle, in addition to trigger time)

ITEMS SUPPLIED

Instruction Manual:	1pc
Allen Key:	1pc
Jigsaw Blades: (Wood & Mild Steel)	2pcs

OPERATING INSTRUCTIONS

Note: Before using this tool, read the Instruction Manual carefully.

BEFORE USE

A Battery Pack must be inserted into the tool as detailed below. It is important that the Battery Pack is of the designated type recommended for this machine. Newly purchased Battery Packs do not come fully charged, and should be charged before use.

Note: Battery power and performance will improve after several discharge/charging cycles have been completed.

WARNING: The Pure Battery pack and Pure Battery charger are specially designed to work together. Do not attempt to use any other charger or battery pack with this Pure Jigsaw.

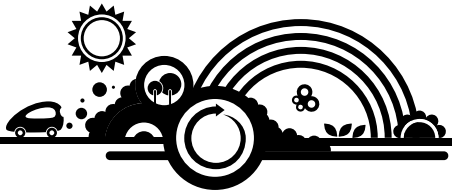
1. INSTALLING OR REMOVING THE BATTERY PACK

Check that the Battery Pack is of the designated type for thismachine. We recommend that the trigger switch is locked in the 'OFF' position when removing or inserting the Battery Pack. Refer to section 4 below.

a. Slide the Battery Pack onto the base of the tools handle. The Battery can only fit one way round.

b. Firmly slide the Battery Pack fully into the tools handle to engage the locking tabs. The electrical connections inside the handle will be made automatically.

c. To remove the Battery Pack, simply press the two locking tabs with your finger and thumb and slide the Battery Pack from the handle.



2. INSTALLING OR REMOVING A BLADE

Note: The Battery Pack must be disconnected from the machine when installing or removing the blade.

Installation:

- Remove the Battery Pack.
- Check that the jigsaw blade is of the correct type.
- Pull back on the collet chuck sleeve using your finger and thumb of one hand.
- Insert the blade into the chuck fully ensuring that the blade teeth face forwards.
- Release the chuck sleeve.
- Check to ensure the blade is securely gripped by the chuck.
- Check to ensure that the back of the blade has engaged into the groove in the guide roller.
- Replace the battery pack.

Removal:

Note: A recently used blade can be very hot. Allow such a blade to cool down before attempting to remove it from the machine.

- Stop the machine with the chuck at the bottom of its stroke.
- Remove the Battery Pack.
- Set the Cutting Action Selection Switch to position 3.
- Pull back on the collet chuck sleeve using your finger and thumb of one hand.
- Using your other hand gently ease the blade rearward to release any pressure being exerted by the guide roller on the back of the blade.
- Pull the blade downwards and away from the machine.

3. ON/OFF TRIGGER SWITCH

This tool is fitted with a variable speed Trigger Switch that delivers higher speed as the trigger pressure is increased.

The Trigger Switch is also fitted with a brake function which stops the chuck immediately when you quickly release the trigger.

4. TRIGGER SWITCH SAFETY LOCK

The Trigger Switch can only be operated once the Safety Lock has been disengaged.

1. To disengage the safety lock press the Safety Lock slide button on either the Right Hand or Left Hand side of the handle.

2. Press the trigger switch to start the machine.

Note: The Safety Lock will automatically reset to the 'Safe' position when the trigger switch is released and the machine has stopped.

5. LASER CUTTING GUIDE

This jigsaw is fitted with a Laser Guide which can be particularly useful when cutting straight lines. Only switch the Laser Guide on when you are about to make a straight cut, and switch it off when the cut has been completed. The switch is located on the front of the machine. Press the button once to switch the Laser Guide 'On'. Press once more to switch the Laser Guide 'Off'.

WARNING: Do not look directly into the laser beam, or point it at anyone. Do not use the Laser Guide if the material to be cut is reflective.

6. CUTTING ACTION SELECTION SWITCH

This jigsaw has a 4 position switch (0-3) located on the Left Hand side of the machine just behind the blade. Only operate this switch when the machine is switched 'Off' and the blade is stationary.

Position '0' Straight cutting action

Positions '1 – 3' Orbital cutting actions

Orbital cutting action has an aggressive blade cutting motion and is especially suited for cutting soft materials.

During orbital cutting the blade moves forwards as well as up and down. Position 1 is the least aggressive of the orbital cutting actions, with position 3 being the most aggressive.

The Table below gives some typical examples of the use of the orbital cutting facility. We recommend that the operator always practices on a piece of unwanted material to determine the most suitable selection for the task at hand.

Position	Typical Application
0	Thin materials. Fine cuts. Tight curves. All metals
1	Hard materials such as chipboard, MDF, Plywood etc
2	Thick materials such as constructional timber and plastic
3	Fast cuts when cutting with the grain in softwood material

CUTTING ADVICE

Note: Always ensure that the footplate of the jigsaw is in close contact with the workpiece throughout the cutting procedure. If the footplate is allowed to 'lift' away from the workpiece operator control and accuracy will be compromised.

1. Clearly mark out the cutting line to be followed on the workpiece (use a pencil or other suitable marking device).

2. Small workpieces should be secured in a vice or clamped to a workbench. Check that the passage of the blade is not obstructed.

3. Larger workpieces should be clamped to sawhorses or similar. Check that the passage of the blade is not obstructed.

4. Set the Cutting Action Selection Lever to the desired position.

5. Align the saw with the cutting line and rest the front of the footplate on the workpiece.

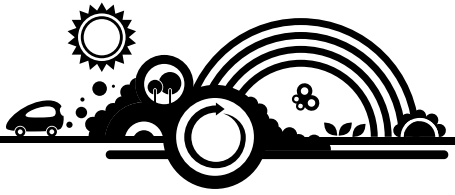
Note: Ensure that the blade is not in contact with the workpiece at this stage.

6. Switch the machine 'On' and gently feed the jigsaw into the workpiece. Be careful to hold the jigsaw firmly and keep full control as the blade contacts the workpiece.

7. Adjust the speed of the blade as necessary to achieve optimum cutting performance.

8. Use the Laser guide if necessary, but only on non-reflective materials.

Note: Do not force the blade. Let the blade do the work by adjusting the speed and feed rates to achieve best performance.



CUTTING METAL

When cutting any metal a suitable cutting lubricant/coolant should be used. Cast Iron and Brass can be cut without a cutting lubricant.

Always use a blade that is capable of cutting metal, and secure the workpiece securely, if practicable, in a vice or similar clamping device.

WARNING: When cutting metal the Cutting Action Selection Lever must be set to the '0' position.

ANGLE CUTTING

FOOTPLATE ANGLE ADJUSTMENT

Note: The footplate is factory set and adjusted so that the blade cuts at 90^0 to the footplate.

The footplate may be tilted to allow an angle of up to 45^0 to either side with positive location stops at 15^0, 30^0 and 45^0.

To adjust the footplate:

1. Remove the battery from the jigsaw.

2. Loosen the two hex-headed screws underneath the footplate using a suitable allen key.

3. Tilt the footplate to the desired angle. To engage one of the positive stops it will be necessary to slide the footplate forwards or backwards depending on the stop required.

4. Tighten the two hex-headed screws carefully so as not to damage the threads.

5. Re-install the battery.

Follow the steps as for General Cutting as outlined above.

Note: Angled cutting, whatever the material, is always more difficult than general straight cutting. With angled cutting it is very important to allow the saw blade to do the work. Do not 'force' the blade. A trial run on unwanted material to determine the best combination of blade feed and speed is recommended.

Return to the factory setting when angled cutting is completed. Recheck the security of the blade.

CUTTING CIRCLES OR CURVES

When cutting curves, particularly tight curves, start with a reasonably slow speed, and gradually increase the speed until the optimum performance is achieved. Do not force the blade, as in curved cutting this can lead to the blade deflection, and possible blade breakage.

To cut a circle from a workpiece:

1. Mark out the circle in the required postion.

2. Drill a ø12 mm hole near the centre of the hole.

3. Insert the jigsaw blade into the ø12 mm hole. Ensure that there is clearance between the blade and the workpiece.

4. Begin cutting towards the outside of the circle, slowly in a spiral fashion, until the blade is following the required cutting line.

5. Advance the jigsaw slowly to avoid cutting a slanted surface or experiencing blade deflection.

BLADES

Choose blades carefully. Use only a blade that is suitable for this machine and for the material to be cut.

The ability of any jigsaw to follow curves, provide smooth finishes or faster cutting is directly related to the type of blade employed.

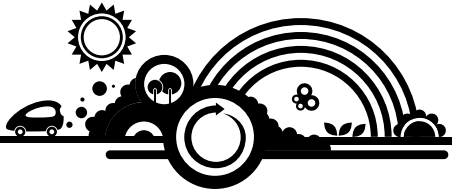
MAINTENANCE

Your Evolution Pure Jigsaw requires no major additional lubrication or maintenance. Occasionally apply a drop of light machine oil to the blade guide spindle. There are no user serviceable parts in your Evolution Jigsaw, or Evolution 18v Charger.

Keep the tool clean, but do not use chemical cleaners which may damage the plastic parts. Clean with a dry cloth. Ensure that the motor ventilation slots are kept clean.

ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



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